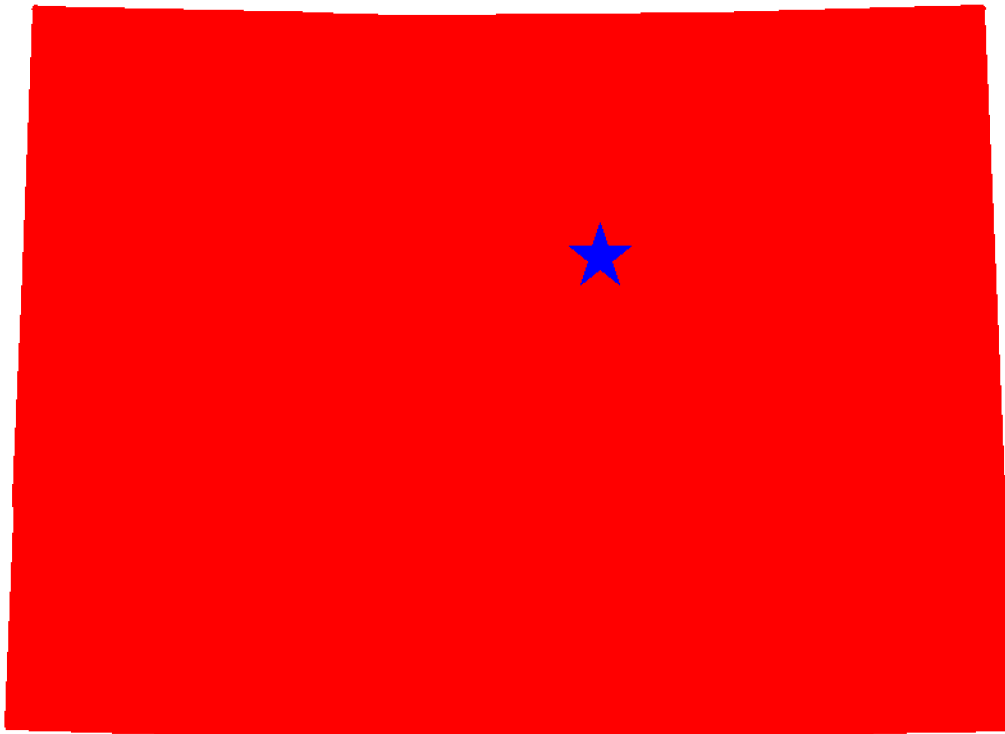




## Traffic Safety Facts Colorado 2003-2007



This Report Contains Data From the Following Sources:  
Fatality Data - NCSA Fatality Analysis Reporting System (FARS)  
FARS Data: 2003-2006 Final File and 2007 Annual Report File (ARF)  
Observed Safety Belt Data - NCSA National Occupant Protection Use Survey (NOPUS) and the Colorado State Survey  
Vehicle Miles of Travel Data and Motorcycle Registrations - Federal Highway Administration (FHWA)  
Population Data - U.S. Bureau of the Census



## Table of Contents

Pg3. Fatality Rates: Colorado , U.S. and Best State
Pg4. Alcohol-Related Fatalities: Colorado , U.S. and Best State (Old Definition)
Pg5. Alcohol-Impaired Driving Fatalities: Colorado , U.S. and Best State (New Definition)
Pg6. Fatalities Per 100 Million VMT: Colorado , U.S.
Pg6. Alcohol-Impaired Driving Fatalities Per 100 Million VMT: Colorado , U.S.
Pg7. Blood Alcohol Concentration (BAC) Reporting Rates For Drivers/Motorcycle Rider (Operators) Involved in Fatal Crashes: Colorado , U.S. and Best State
Pg8. Passenger Vehicle Occupant Fatalities by Restraint Use: Colorado , U.S. and Best State
Pg9. Passenger Vehicle Occupant Fatalities by Percent Restraint Use: Colorado , U.S.
Pg9. Passenger Vehicle Occupant by Observed Restraint Use: Colorado , U.S.
Pg10. Passenger Vehicle Occupant Fatalities Aged 5 and Above by Restraint Use and Lives Saved Estimates
Pg10. Passenger Vehicle Occupant Fatalities Aged Under 5 by Restraint Use and Lives Saved Estimates
Pg11. Motorcycle Occupant Fatalities by Helmet Use and Lives Saved Estimates
Pg12. Fatalities by Person Type
Pg13. Fatalities by Crash Type
Pg14. Motorcyclist Fatalities by Age
Pg14. Motorcyclist Fatalities Per 100,000 Registered Motorcycles
Pg15. Top 10 Counties for Fatalities and Fatality Rates
Pg16. Top 10 Counties for Alcohol-Impaired Driving Fatalities and Alcohol-Impaired Driving Fatality Rates



## Fatality Rates: Colorado , U.S. and Best State

Year		Fatalities	Total Vehicle Miles Traveled (Millions)	Fatalities Per 100 Million Vehicle Miles Traveled	Total Population	Fatalities Per 100,000 Population
2003	Colorado	642	43,379	1.48	4,555,212	14.09
	US	42,884	2,890,450	1.48	290,447,644	14.76
	Best State*			0.83		7.18
2004	Colorado	667	45,891	1.45	4,609,264	14.47
	US	42,836	2,964,788	1.44	293,191,511	14.61
	Best State*			0.87		7.40
2005	Colorado	606	47,962	1.26	4,673,724	12.97
	US	43,510	2,989,430	1.46	295,895,897	14.70
	Best State*			0.80		6.86
2006	Colorado	535	48,641	1.10	4,766,248	11.22
	US	42,708	3,014,116	1.42	298,754,819	14.30
	Best State*			0.78		6.32
2007	Colorado	554			4,861,515	11.40
	US	41,059	2,996,409	1.37	301,621,157	13.61
	Best State*					6.47

\*State (or States) With Lowest Rates: [Lowest VMT and Population Rates Could Be in Different States](#)

[2007 State Vehicle Miles Traveled \(VMT\) Data is Currently Not Available. 2007 National VMT is a Preliminary Estimate and Subject to Change](#)

[Back To The Table of Contents](#)



### Alcohol-Related Fatalities: Colorado , U.S. and Best State (Old Definition)

Year		Total Fatalities in all Crashes	Alcohol-Related Fatalities**				Alcohol-Related Fatalities (BAC = .08+) Per 100 Million VMT
			BAC = .01+		BAC = .08+		
			Number	Percent	Number	Percent	
2003	Colorado	642	252	39	228	35	0.52
	US	42,884	17,105	40	14,678	34	0.51
	Best State*			15		13	0.16
2004	Colorado	667	265	40	228	34	0.50
	US	42,836	16,919	39	14,593	34	0.49
	Best State*			25		21	0.27
2005	Colorado	606	252	42	222	37	0.46
	US	43,510	17,590	40	15,102	35	0.51
	Best State*			14		13	0.14
2006	Colorado	535	227	42	193	36	0.40
	US	42,708	17,738	42	15,144	35	0.50
	Best State*			24		20	0.22
2007	Colorado	554	226	41	197	36	
	US	41,059	17,036	41	14,575	35	0.49
	Best State*			23		19	

\*State (or States) With Lowest Percents: Lowest Percents Could Be in Different States

\*\*Includes BAC of All Involved Drivers, Motorcycle Riders, Pedalcyclists and Pedestrians

[Back To The Table of Contents](#)



## Alcohol-Impaired Driving Fatalities: Colorado , U.S. and Best State (New Definition)

Year		Total Fatalities in all Crashes	Alcohol-Impaired Driving Fatalities (BAC = .08+)**		Alcohol-Impaired Driving Fatalities (BAC = .08+) Per 100 Million VMT
			Number	Percent	
2003	Colorado	642	203	32	0.47
	US	42,884	13,096	31	0.45
	Best State*			12	0.15
2004	Colorado	667	200	30	0.44
	US	42,836	13,099	31	0.44
	Best State*			20	0.25
2005	Colorado	606	206	34	0.43
	US	43,510	13,582	31	0.45
	Best State*			12	0.13
2006	Colorado	535	179	33	0.37
	US	42,708	13,491	32	0.45
	Best State*			19	0.20
2007	Colorado	554	170	31	
	US	41,059	12,998	32	0.43
	Best State*			17	

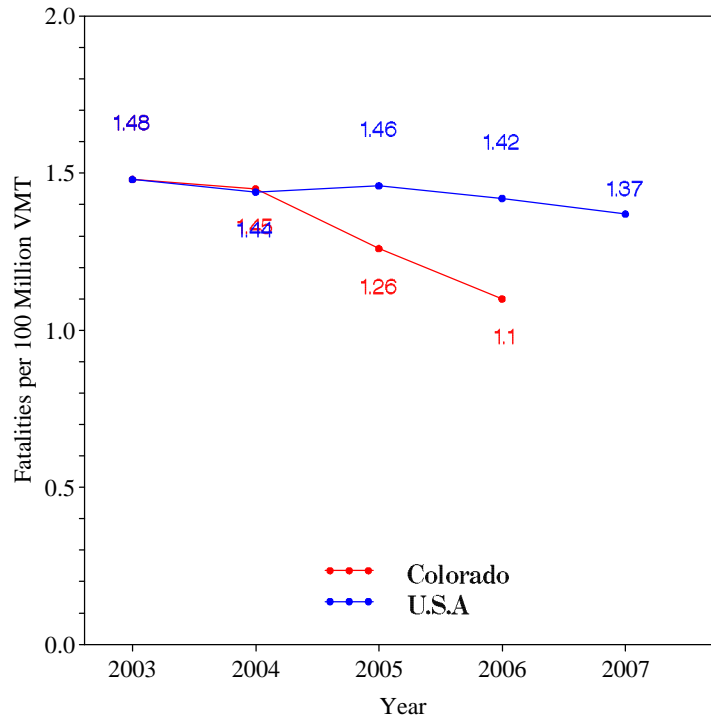
\*State (or States) With Lowest Percents: Lowest Percents Could Be in Different States

\*\*Includes BAC of All Involved Drivers and Motorcycle Riders Only

[Back To The Table of Contents](#)

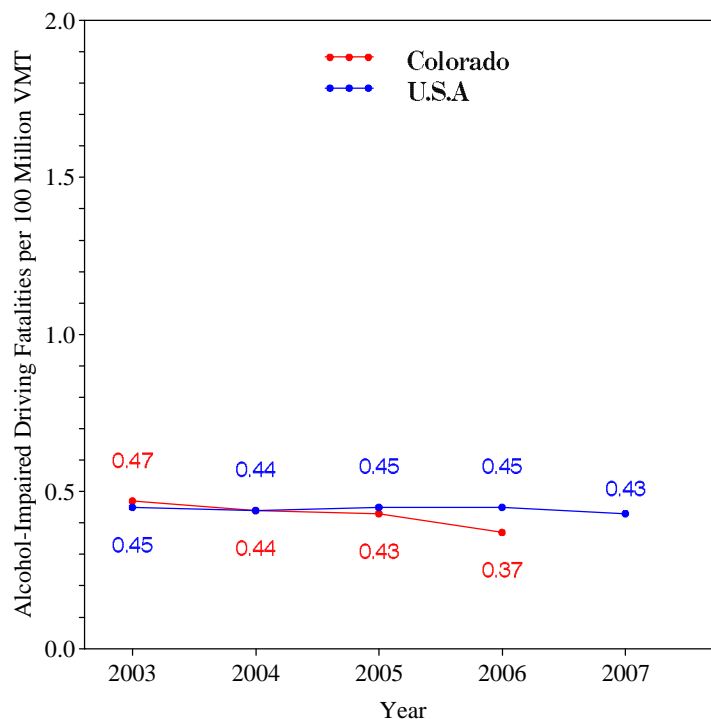


## Fatalities per 100 Million VMT: Colorado and U.S



[Back To The Table of Contents](#)

## Alcohol-Impaired Driving Fatalities per 100 Million VMT: Colorado and U.S



[Back To The Table of Contents](#)



## Blood Alcohol Concentration (BAC) Reporting Rates For Drivers/Motorcycle Riders (Operators) Involved in Fatal Crashes: Colorado , U.S. and Best State

Year		Surviving Drivers/Motorcycle Riders			Killed Drivers/Motorcycle Riders			Total Drivers/Motorcycle Riders		
		Total	With Blood Alcohol Concentration (BAC) Results Reported to FARS		Total	With Blood Alcohol Concentration (BAC) Results Reported to FARS		Total	With Blood Alcohol Concentration (BAC) Results Reported to FARS	
			Number	Percent		Number	Percent		Number	Percent
2003	Colorado	169	65	38	332	290	87	501	355	71
	US	51,793	12,358	24	32,471	22,718	70	84,264	35,076	42
	Best State*			87			98			89
2004	Colorado	187	50	27	325	204	63	512	254	50
	US	51,440	12,277	24	32,596	21,984	67	84,036	34,261	41
	Best State*			84			97			90
2005	Colorado	166	24	14	328	218	66	494	242	49
	US	51,791	10,963	21	33,288	22,436	67	85,079	33,399	39
	Best State*			89			98			91
2006	Colorado	132	33	25	283	203	72	415	236	57
	US	49,884	11,028	22	32,940	22,531	68	82,824	33,559	41
	Best State*			86			100			87
2007	Colorado	144	30	21	292	252	86	436	282	65
	US	47,786	9,975	21	31,867	20,261	64	79,653	30,236	38
	Best State*			84			97			86

\*State (or States) With Highest Percents: Highest Percents Could Be in Different States

[Back To The Table of Contents](#)



## Passenger Vehicle Occupant Fatalities by Restraint Use: Colorado , U.S. and Best State

Year		Total Passenger Vehicle Occupant Fatalities	Total Passenger Vehicle Occupant Fatalities Restrained**		Observed Passenger Vehicle Occupant Restraint Use in all Traffic***
		Number	Number	Percent	Percent
2003	Colorado	497	200	40	78
	US	32,271	14,075	44	79
	Best State*			64	95
2004	Colorado	492	212	43	79
	US	31,866	14,225	45	80
	Best State*			68	95
2005	Colorado	444	191	43	79
	US	31,549	14,061	45	82
	Best State*			68	95
2006	Colorado	368	140	38	80
	US	30,686	13,760	45	81
	Best State*			66	96
2007	Colorado	367	167	45	81
	US	28,933	13,306	46	82
	Best State*			64	98

\*State With Highest Percent. Fatal Crash and Observed Percents Can Be Different States

\*\*Unknown Restraint Use Was Proportionally Distributed Across Known Restraint Use

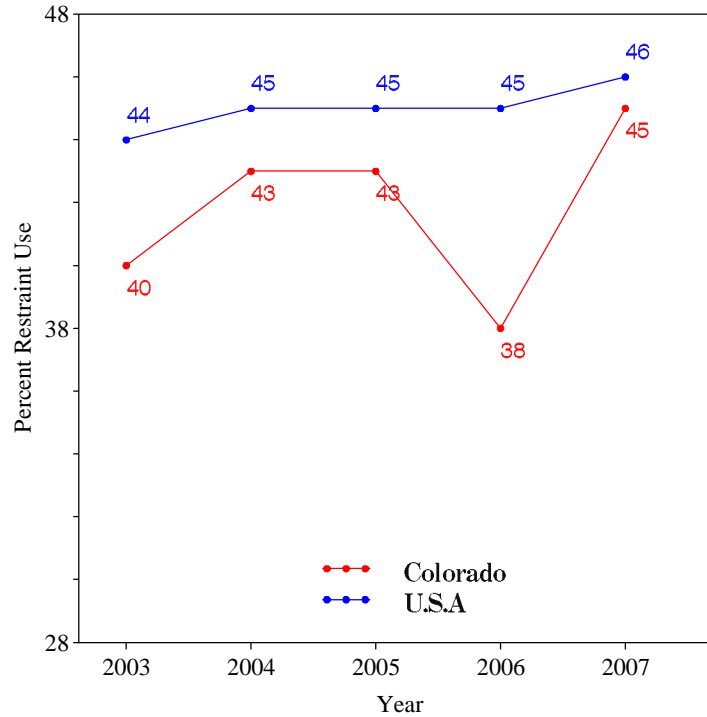
\*\*\*USA Data: National Occupant Protection Use Survey. Colorado Data: State Survey

[Back To The Table of Contents](#)



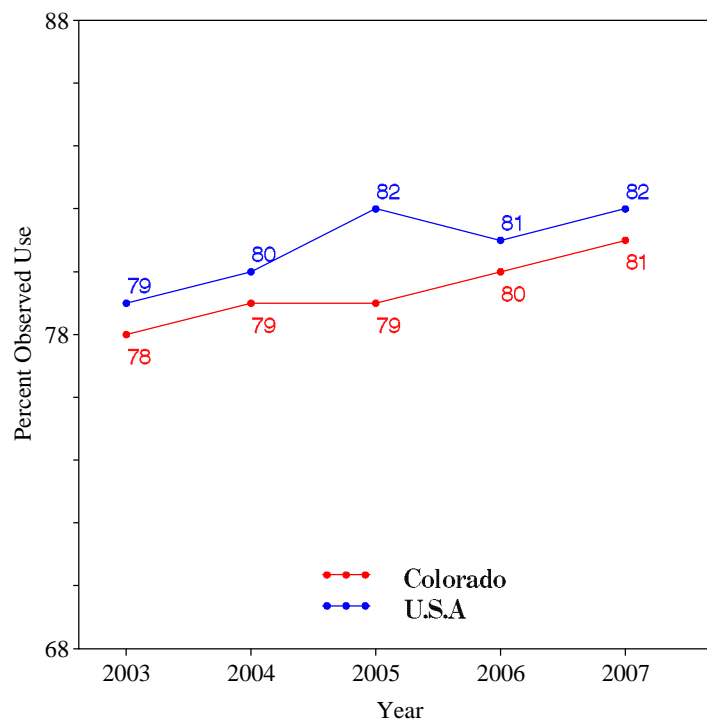


## Passenger Vehicle Occupant Fatalities by Percent Restraint Use: Colorado and U.S



[Back To The Table of Contents](#)

## Passenger Vehicle Occupants by Percent Restraint Use Observed: Colorado and U.S



[Back To The Table of Contents](#)



## Passenger Vehicle Occupant Fatalities Aged 5 and Above by Restraint Use and Lives Saved Estimates

Year	Passenger Vehicle Occupant Fatalities Aged 5 and Above*			Passenger Vehicle Occupant Lives Saved Estimates**	
	Total	Restrained	Unrestrained	Lives Saved at Current Belt Use	Potential Additional Lives Savable at 100% Usage
2003	489	195	294	224	102
2004	480	203	277	232	96
2005	433	182	251	216	87
2006	362	135	227	168	74
2007	364	165	199	201	82

\*Unknown Restraint Use Was Proportionally Distributed Across Known Restraint Use

\*\*Lives Saved Estimates

[Back To The Table of Contents](#)

## Passenger Vehicle Occupant Fatalities Aged Under 5 by Restraint Use and Lives Saved Estimates

Year	Passenger Vehicle Occupant Fatalities Aged Under 5*			Passenger Vehicle Occupant Lives Saved Estimates**	
	Total	Restrained	Unrestrained	Lives Saved at Current Belt and Child Seat Usage	Potential Additional Lives Savable at 100% Usage
2003	8	5	3	0	2
2004	11	8	3	9	2
2005	10	9	1	10	2
2006	6	5	1	8	0
2007	3	2	1	2	

\*Unknown Restraint Use Was Proportionally Distributed Across Known Restraint Use

\*\*Lives Saved Estimates

[Back To The Table of Contents](#)



## Motorcyclist Fatalities by Helmet Use and Lives Saved Estimates

Year	Motorcycle Rider Fatalities*			Motorcycle Rider Lives Saved Estimates**	
	Total	Helmeted	Unhelmeted	Lives Saved at Current Helmet Use	Potential Additional Lives Savable at 100% Usage
2003	70	13	57	8	21
2004	81	19	62	11	23
2005	87	4	83	2	31
2006	74	13	61	8	23
2007	90	33	57	20	21

\*Unknown Helmet Use Was Proportionally Distributed Across Known Helmet Use

\*\*Lives Saved Estimates

[Back To The Table of Contents](#)



## Fatalities by Person Type

Person Type		2003		2004		2005		2006		2007	
		#	%	#	%	#	%	#	%	#	%
<b>Occupants</b>	<b>Passenger Car</b>	260	14	277	14	252	15	180	12	189	12
	<b>Light Truck - Pickup</b>	95	5	97	5	85	5	83	5	73	5
	<b>Light Truck - Utility</b>	103	6	95	5	89	5	79	5	84	5
	<b>Light Truck - Van</b>	39	2	21	1	18	1	25	2	21	1
	<b>Light Truck - Other</b>	0	0	2	0	0	0	1	0	0	0
	<b>Large Truck</b>	7	0	10	1	16	1	19	1	22	1
	<b>Bus</b>	1	0	0	0	0	0	0	0	0	0
	<b>Other/Unknown Occupants</b>	2	0	3	0	2	0	2	0	1	0
	<b>Total Occupants</b>	507	27	505	26	462	27	389	25	390	25
<b>Motorcyclists</b>	<b>Motorcycle</b>	70	4	81	4	87	5	74	5	90	6
<b>Non-Occupants</b>	<b>Pedestrian</b>	56	3	70	4	48	3	59	4	58	4
	<b>Bicyclist and Other Cyclist</b>	3	0	11	1	8	0	10	1	11	1
	<b>Other/Unknown Non-Occupants</b>	6	0	0	0	1	0	3	0	5	0
	<b>Total Non-Occupants</b>	65	4	81	4	57	3	72	5	74	5
<b>Total</b>	<b>Total</b>	642	35	667	35	606	35	535	35	554	35

[Back To The Table of Contents](#)



## Fatalities by Crash Type

Crash Type	2003	2004	2005	2006	2007
<b>Total Fatalities (All Crashes)</b>	642	667	606	535	554
<b>- Single Vehicle (1)</b>	338	347	346	315	306
<b>- Involving a Large Truck (2)</b>	77	69	68	67	82
<b>- Involving Speeding (3)</b>	246	255	204	182	224
<b>- Involving a Rollover (4)</b>	260	258	256	227	225
<b>- Involving a Roadway Departure (5)</b>	360	388	381	297	294
<b>- Involving an Intersection (or Intersection related) (6)</b>	167	162	149	119	149

(1) Crash Involved Only One Coded Vehicle

(2) Crash Involved at Least One Large Truck

(3) Crash Involved at Least One Vehicle Speeding

(4) Crash Involved at Least One Vehicle That Rolled Over

(5) Crash Involved at Least One Vehicle That Departed the Roadway (FHWA Definition)

(6) Crash Occured Within an Intersection or Within the Approach to an Intersection

[Back To The Table of Contents](#)



### Motorcyclist Fatalities by Age

Year	Age						Total
	<20	20-29	30-39	40-49	50-59	>59	
2003	3	13	11	18	21	2	68
2004	3	18	13	19	22	4	79
2005	2	18	17	17	20	9	83
2006	3	13	13	24	13	7	73
2007	4	15	15	27	17	10	88

[Back To The Table of Contents](#)

### Motorcyclist Fatalities Per 100,000 Registered Motorcycles\*

Year	Motorcyclist Fatalities	Total Motorcycle Registrations	Motorcyclist Fatalities Per 100,000 Motorcycle Registrations
2003	68	8,013	848.6
2004	79	8,411	939.2
2005	83	117,159	70.84
2006	73	117,159	62.31
2007	88		

\*Data Source: FHWA

[Back To The Table of Contents](#)



## Top 10 Counties for Fatalities and Fatality Rates

Top 10 Fatality Counties		Fatalities	Fatalities per 100,000 Population
1	Weld County	47	19.28
2	Adams County	39	9.23
3	Denver County	39	6.63
4	El Paso County	39	6.64
5	Jefferson County	39	7.37
6	Arapahoe County	36	6.60
7	Mesa County	29	20.85
8	Larimer County	25	8.69
9	Pueblo County	23	14.88
10	La Plata County	16	32.29

Median Rate for all U.S. Counties: 20.32

Top 10 Fatality Rate Counties		Fatalities	Fatalities per 100,000 Population
1	San Juan County	2	357.8
2	Hinsdale County	2	238.7
3	Mineral County	2	207.9
4	Kiowa County	2	150.2
5	Jackson County	2	144.8
6	Washington County	5	108.1
7	Huerfano County	5	63.80
8	Cheyenne County	1	56.72
9	Clear Creek County	5	55.83
10	Dolores County	1	52.25

[Back To The Table of Contents](#)



## Top 10 Counties for Alcohol-Impaired Driving Fatalities and Alcohol-Impaired Driving Fatality Rates

Top 10 Alcohol-Impaired Driving Fatality Counties		Fatalities	Fatalities per 100,000 Population
1	El Paso County	16	2.78
2	Weld County	14	5.74
3	Jefferson County	12	2.19
4	Arapahoe County	11	2.09
5	Denver County	11	1.87
6	Adams County	11	2.58
7	Mesa County	8	5.75
8	Pueblo County	7	4.66
9	Boulder County	6	2.10
10	Garfield County	6	11.00

Median Rate for all U.S. Counties: 5.11

Top 10 Alcohol-Impaired Driving Fatality Rate Counties		Fatalities	Fatalities per 100,000 Population
1	Hinsdale County	1	119.3
2	Cheyenne County	1	56.72
3	Dolores County	1	52.25
4	Washington County	2	45.39
5	Moffat County	4	29.31
6	Costilla County	1	27.20
7	Baca County	1	25.83
8	Lake County	2	25.27
9	Clear Creek County	2	23.45
10	Crowley County	1	16.56

[Back To The Table of Contents](#)